

APPARATUS AND METHOD FOR ASSEMBLING  
CONTENT ADDRESSABLE VIDEO

ABSTRACT

A system and method for assembling or generating content addressable video based on storing a plurality of frames of video data at addressable storage locations. Each frame of video data is stored with a tag which indicates the contents of the video image defined by the associated frame. For assembly, a processing unit assembles a content video image in response to the tags; the content video image, including positions for corresponding frames of video data. Finally, a means, such as a look up table, is provided for associating the positions in the content video image with addresses of storage location storing the corresponding frames of video data. A user input device is provided by which the user selects a particular frame of video data, by selecting a position in the content video image, such as by positioning a cursor on the selected position.

For generating content addressable video, the content video image is first generated. Positions in the content video image are then translated by a control circuit into camera positioning signals. A controllable camera, such as a robot mounted camera, then generates the frames of video in response to the position control signals derived from the content video image. A processing unit then associates each frame of video data generated by the controllable camera, with positions in the content video image.